

Evolution of the Permian family Spirolegoceratidae (Goniatitida, Ammonoidea)

Leonova T., Shilovsky O.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The evolution of the Permian ammonoid family Spirolegoceratidae is discussed and a new phylogenetic reconstruction is proposed based on new data. Two subfamilies are recognized within the family Spirolegoceratidae: Spirolegoceratinae Nassichuk and Sverdrupitinae subfam. nov. A new genus, Archboldiceras, is proposed to accommodate the Australian species *Uraloceras lobulatum* and *U. whitehousei*. Species of the genus *Sverdrupites* Nassichuk, 1970 are described based on new material from the Volga-Urals Region. The new species *S. bogoslovskayae* from the Gerkinskaya Formation of Novaya Zemlya previously identified by M.F. Bogoslovskaya as *S. amundseni* is described. © Pleiades Publishing, Ltd. 2007.

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Keywords

Ammonoidea, Evolution, Permian, Spirolegoceratidae